

CLAIMS

I claim:

- 1 1. A light collection system comprising:
 - 2 a light source,
 - 3 a condenser lens to redirect light from said light source,
 - 4 a reflector mechanism to redirect light generated by said light source,
 - 5 an aperture to define an object of said system, and
 - 6 an image lens to define an image projected by said system; wherein
 - 7 said reflector mechanism comprises a primary reflector and at least one ancillary
 - 8 reflector element.

- 1 2. The light collection system of claim 1 wherein:
 - 2 said system further comprises a spherical lens that directs light toward said
 - 3 aperture.

- 1 3. The light collection system of claim 1 wherein:
 - 2 said light source comprises a planer filament.

- 1 4. The light collection system of claim 1 wherein:
 - 2 a height of a face of said planar filament is approximately equal to a width of a
 - 3 face of said planar filament.

1 5. The light collection system of claim 2 wherein:
2 said light source comprises a planer filament.

1 6. The light collection system of claim 2 wherein:
2 a height of a face of said planar filament is approximately equal to a width of a
3 face of said planar filament.